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**Memorandum of Understanding
Between the
Department of Natural Resources
And the
Department of Commerce**

Plumbing/Pump Installation

I. Purpose

The purpose of this memorandum of understanding is to delineate and coordinate the respective responsibilities of the Department of Commerce (Commerce) and the Department of Natural Resources (DNR) regarding the interpretation and implementation of their respective rules and statutes regarding Pump Installers and Plumbers.

II. Definitions

- A. Plumbing is defined in s. 145.01, stats. as (a) All piping, fixtures, appliances, equipment, devices and appurtenances in connection with the water supply, water distribution and drainage systems, including hot water storage tanks, water softeners and water heaters connected with such water and drainage systems and also includes the installation thereof. (b) The construction, connection or installation of any drain or waste piping system from the outside or proposed outside foundation walls of any building to the mains or other sewage system terminal within bounds or, or beneath an area subject to easement for highway purposes, including private sewage systems, and the alteration. (c) The water service piping from the outside or proposed outside foundation walls of any building to the main or other water utility service terminal within bounds of, or beneath an area subject to easement for highway purposes and its connections. (d) The water pressure system other than municipal systems as provided in ch. 281. (e) A plumbing and drainage system so designed and vent piping so installed as to keep the air within the system in free circulation and movement; to prevent with a margin of safety unequal air pressures of such force as might blow, siphon or affect trap seals, or retard the discharge from plumbing fixtures, or permit sewer air to escape into the building; to prohibit cross-connection, contamination or pollution of the potable water supply and distribution systems; and to provide an adequate supply of water to properly serve, cleanse and operate all fixtures, equipment, appurtenances and appliances served by the plumbing system.
- B. Pump installing, as defined in s. 280.01 , stats. means the industry and procedure employed in the placement and preparation for operation of equipment and materials utilized in withdrawing or obtaining water from a well for consumption or use, including all

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construction involved in making entrance to the well and establishing such seals and safeguards as are necessary to protect such water from contamination.

- C. Pump installer means any person, firm or corporation who has duly registered as such with the department and shall have paid the annual registration fee and obtained a permit to engage in pump installing as herein provided. Section 280.01. , Wisconsin Stats.
- D. Master plumber means any person skilled in the planning, superintending and the practical installation of plumbing and familiar with the laws, rules and regulations governing the same. Section 145.01, Wisconsin Stats.
- E. Water distribution system means that portion of a water supply system from the building control valve to the connection of a fixture supply connector, plumbing fixtures, plumbing appliance, water-using equipment or other piping systems to be served.
- F. Water service means that portion of a water supply system from the water main or private water supply to the building control valve.

III. Objectives

The objectives of this memorandum are to:

- A. Achieve Wisconsin's goal of providing safe, wholesome, potable water to the citizens of the State of Wisconsin.
- B. Provide uncontaminated water to every fixture of a potable supply.
- C. Express interagency cooperative procedures concerning the education of licensed pump installers and plumbers in the state.
- D. Coordinate agency efforts to optimize use of state resources and authorities
- E. Identify technical and institutional concerns requiring interagency resolution and communication.

III. Agency Jurisdiction

It is agreed by both agencies that:

- A. The word, "existing" in 145.06(4)(b), Wis. Stats, was originally intended to address installation of an interior hydro-pneumatic tank and connection to the water supply system.

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Commerce will allow licensed pump installers (without a master plumber license) to install the piping from an exterior pressure tank, mounted on (or immediately beside) the well casing, to the building control valve.

- B. The plumbing from a pump to, and including the initial pressure tank may contain the piping for three or fewer yard hydrants but no other plumbing may be installed by licensed pump installers. The yard hydrants must be code compliant reservoir tank models. There is no curb stop required for an underground yard hydrant connection. Where there is an exterior pressure tank or the pressure tank is located downstream of plumbing fixtures (other than the yard hydrant) licensed pump installers may install the water service from the well to the building control valve.

Safety and Buildings process note: Currently, plumbing plan review is required for water services serving public buildings¹ and for all private water mains². When plan review is required, the designer will be instructed to include the water service in the calculation when the pressure tank is separated from the water distribution system by that water service. The plan may include a note that states a licensed pump installer will be installing the water service piping to the control valve. The friction loss in the service and the pressure available at the building control valve will be included in the plumbing plan. This method for calculating water supply pipe sizes is consistent with the method used for water services connecting to municipal mains.

The diagrams in the appendix on the following pages represent the situations addressed by this memorandum.

IV. Information Transfer

Because a close interaction exists between the pump installer and the plumber, DNR and Commerce are planning to include more information on storage sizing and water service design in both agencies' continuing education and respective codes.

V. Conflict Resolution

It is expressly agreed that any conflict between Commerce representatives or local plumbing inspectors and DNR staff regarding the regulations concerning jurisdiction and license requirements in a specific case shall be jointly resolved by Commerce and DNR in a mutually agreeable setting.

VI. Modification or Termination of the Memorandum

This memorandum may be modified or repealed and recreated by mutual agreement.

This memorandum may be terminated by either agency upon 30-day written notification.

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George Meyer, Secretary
Department of Natural Resources

Brenda J. Blanchard, Secretary
Department of Commerce

Note 1. "Public building means any structure, including exterior parts of such building, such as a porch, exterior platform or steps providing means of ingress or egress, used in whole or in part as a place of resort, assemblage, lodging, trade, traffic, occupancy or use by the public, or by 3 or more tenants." Section Comm 82.11(33), Wis. Adm. Code.

Note 2. "Private water main means a privately owned water main serving 2 or more buildings and not directly controlled by a public authority." Section Comm 82.11(119), Wis. Adm. Code.

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APPENDIX

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KEY

Pump Installer, only
Plumber, only
Either pump installer or plumber _____

Figure One

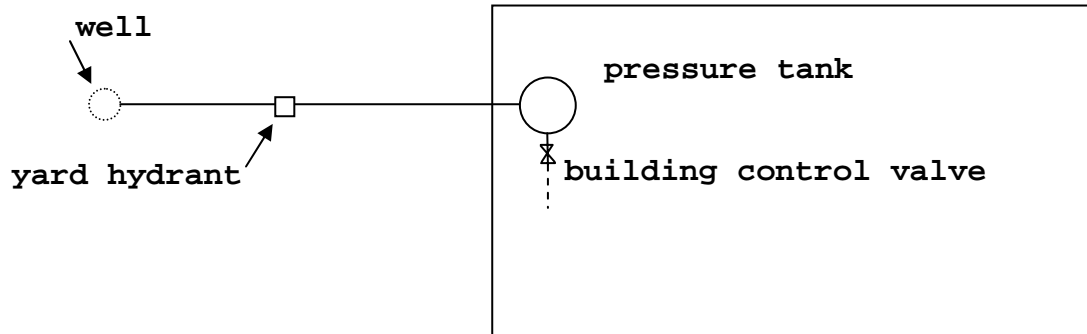


Figure Two

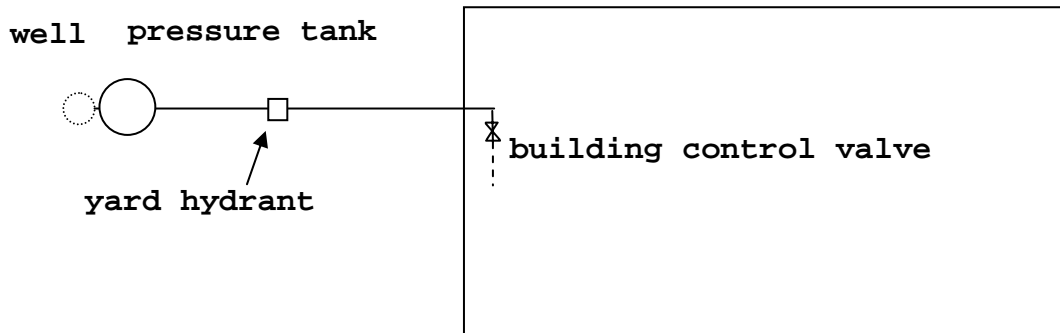
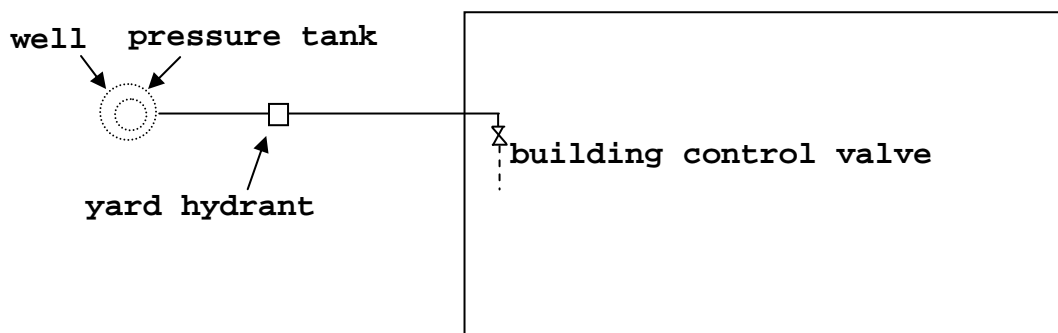


Figure Three



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KEY

Pump Installer, only

Plumber, only -----

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Figure Four

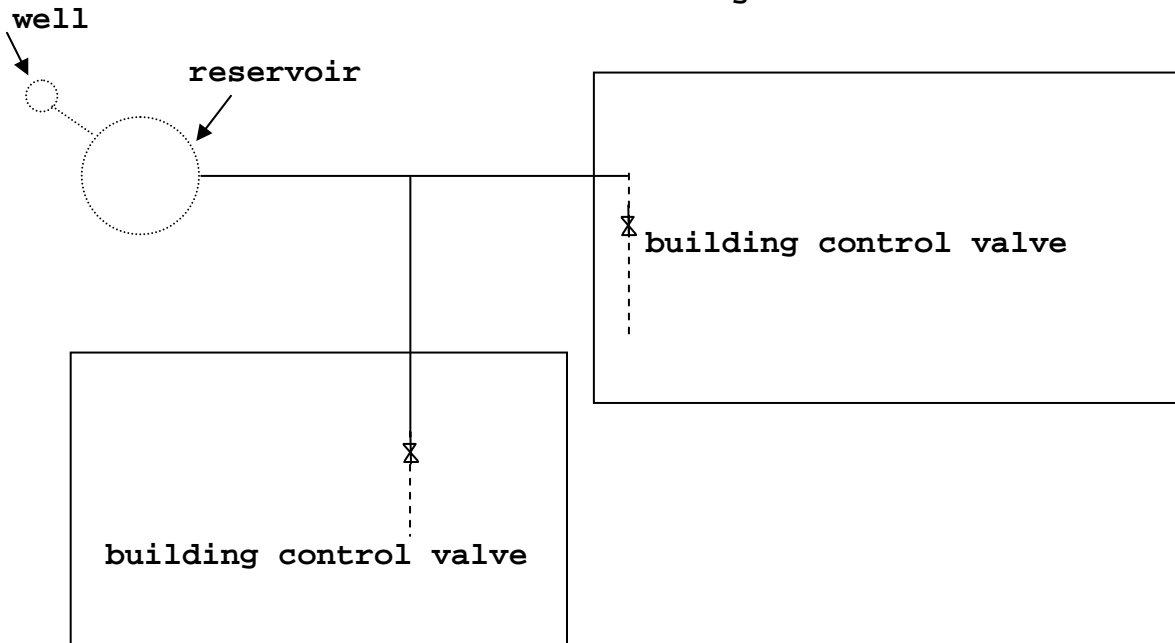
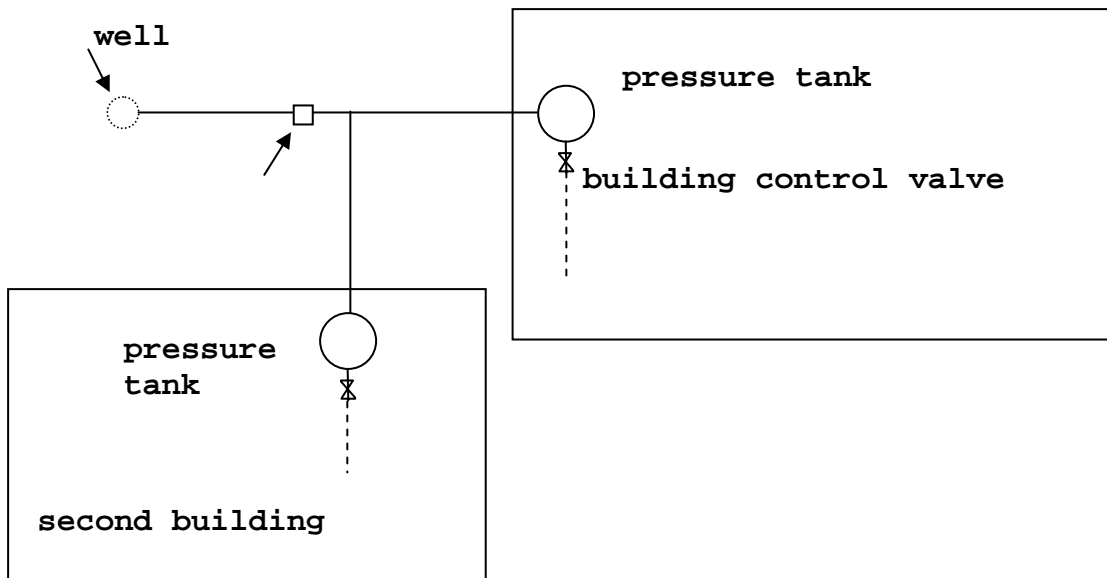


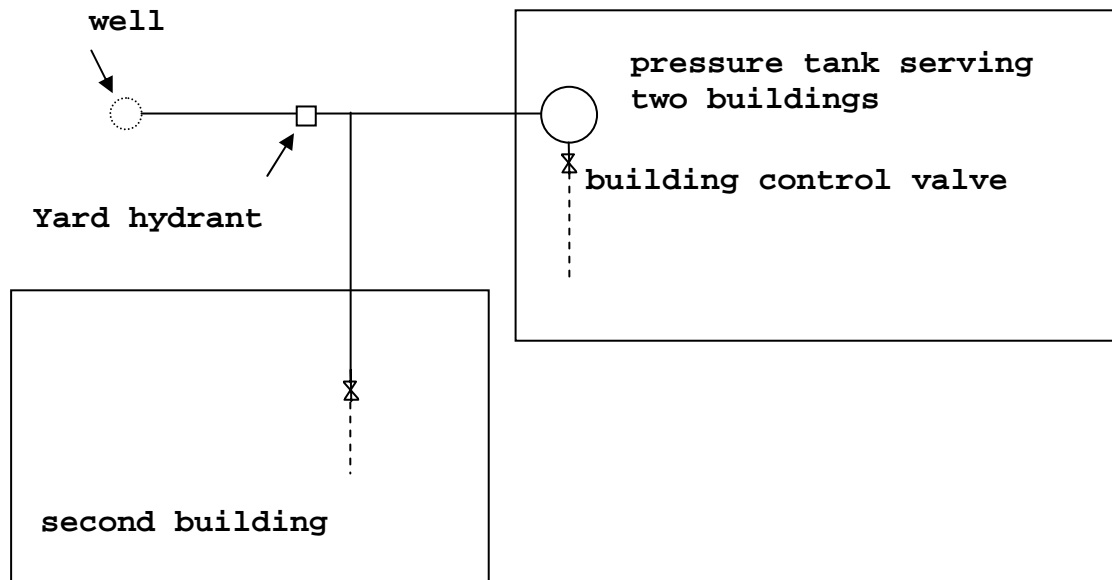
Figure Five



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Figure Six



Note: When two or more buildings are served by one pressure tank the Department of Commerce has specific rules for plan review and installation. Contact the Department of Commerce for further information.